

FORM PTO-1449

ATTY. DOCKET NO.
264/037SERIAL NO.
09/849,12LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT:
Donald E. Ackley et al.FILING DATE:
May 4, 2001GROUP:
Not Yet Assigned

AUG 23 2001

RECEIVED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBC CLASS	FILING DATE
JSB	AA	3,950,738	4/76	Hayashi et al.	365	185	7/74
	AB	3,995,190	11/76	Salgo	313	391	12/75
	AC	4,283,773	8/81	Daughton et al.	364	132	4/79
	AD	4,563,419	1/86	Ranki et al.	435	6	12/83
	AE	4,580,895	4/86	Patel	356	39	10/83
	AF	4,584,075	4/86	Goldstein	204	522	11/84
	AG	4,594,135	6/86	Goldstein	204	551	2/85
	AH	4,751,177	6/88	Stabinsky	435	6	6/85
	AI	4,787,963	11/88	MacConnell	204	450	5/87
	AJ	4,807,161	2/89	Comfort et al.	364	550	12/87
	AK	4,816,418	3/89	Mack et al.	436	518	7/85
	AL	4,822,566	4/89	Newman	422	82	5/87
	AM	4,828,979	5/89	Klevan et al.	435	6	11/84
	AN	4,908,112	3/90	Pace	210	198	6/88
	AO	5,063,081	11/91	Cozzette et al.	435	4	8/90
	AP	5,074,977	12/91	Cheung et al.	205	775	10/90
	AQ	5,075,077	12/91	Durley, III et al.	422	56	8/88
	AR	5,096,669	3/92	Lauks et al.	422	61	9/88
	AS	5,096,807	3/92	Leaback	435	6	12/89
	AT	5,125,748	6/92	Bjornson et al.	356	414	5/91
	AU	5,126,022	6/92	Soane et al.	204	458	2/90
	AV	5,143,854	9/92	Pirung et al.	436	518	3/90
	AW	5,164,319	11/92	Hafeman et al.	435	287	11/89
	AX	5,166,063	11/92	Johnson	435	173	6/90
	AY	5,200,051	4/93	Cozzette et al.	204	403	11/89
	AZ	5,202,231	4/93	Drmanac et al.	435	6	6/91
	BA	5,219,726	6/93	Evans	435	6	6/89
	BB	5,227,265	7/93	DeBoer et al.	430	41	11/90
	BC	5,234,566	8/93	Osman et al.	204	403	4/91
	BD	5,242,797	9/93	Hirshfeld	435	6	1/92
	BE	5,304,487	4/94	Wilding et al.	435	29	5/92
	BF	5,312,527	5/94	Mikkelsen et al.	205	777	10/92
	BG	5,433,819	7/95	McMeen	216	20	5/93
	BH	5,434,049	7/95	Okano et al.	435	6	2/93
	BI	5,445,525	8/95	Broadbent et al.	439	64	5/94
	BJ	5,516,698	5/96	Begg et al.	436	89	4/92

OC-88616.1

EXAMINER: /John S. Brusca/

DATE CONSIDERED: 07/14/2006

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Donald E. Ackley et al.**RECEIVED**FILING DATE:
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GROUP:
TECH CENTER 1600/2900

(Use several sheets if necessary)

JSB	BS	5,527,670	6/96	Stanley	435	6	8/94
	BL	5,527,681	6/96	Holmes	435	6	11/92
	BM	5,605,662	2/97	Heller et al.	422	68	11/93
	BN	5,632,957	5/97	Heller et al.	422	68	9/94
	BO	5,653,939	8/97	Hollis et al.	422	50	8/95
	BP	5,677,195	10/97	Winkler et al.	436	518	11/92
	BQ	5,681,751	10/97	Begg et al.	436	89	5/95
	BR	5,849,486	12/98	Heller et al.	435	6	8/96

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBC CLASS	TRANSLATION YES	NO
JSB	BS	0228075	7/87	EP (Dattagupta et al.)				
	BT	2247889	3/92	GB (Stanley)				
	BU	WO95/07363	3/95	PCT (Konrad)				
	BV	WO90/01564	2/90	PCT (Adams et al.)				
	BW	WO89/01159	2/89	PCT (Cornell et al.)				
	BX	WO93/22678	11/93	PCT (Hollis)				
	BY	WO86/03782	7/86	PCT (Malcolm et al.)				
	BZ	WO89/10977	11/89	PCT (Southern)				
	CA	WO88/08528	11/88	PCT (Stanbro et al.)				
	CB	WO92/04470	3/92	PCT (Stanley)				
	CC	WO98/51819	11/98	PCT (Heller et al.)				
	CD	WO96/01836	1/96	PCT (Heller et al.)				
	CE	WO98/01758	1/98	PCT (Kovacs)				
	CF	WO97/12030	4/97	PCT (Heller et al.)				
	CG	2156074	10/85	UK (Palva et al.)				
	CH	57087	87	Yugoslavia (Drmanac)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JSB	CI	Abrams et al. "Comprehensive Detection of Single Base Changes In Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis & a GC Clamp". <i>Genomics</i> , 7, 1990, 463-475
	CJ	Anand and Southern "Pulsed Field Gel Electrophoresis," <i>Gel Electrophoresis of Nucleic Acids - A Practical Approach</i> , 2d. Ed., D. Rickwood and B.D. Hames (New York: IRL Press 1990), pp 101-123
	CK	Anderson and Young, "Quantitative Filter Hybridization," <i>Nucleic Acid Hybridization - A Practical Approach</i> , Eds. B.D. Hames and S.J. Higgins (Washington, D.C.: IRL Press 1985) pp 73-111
	CL	Bains, "Setting a Sequence to Sequence a Sequence," <i>Bio/Technology</i> , 10:757-758 (1992)
	CM	Barinaga, "Will 'DNA Chip' Speed Genome Initiative?", <i>Science</i> , 253:1489 (1991)
	CN	Beattie et al., "Genosensor Technology," <i>The 1992 San Diego Conference: Genetic Recognition</i> , pp 1-5 (Nov, 1992)
	CO	Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods," <i>Methods in Enzymology</i> , 100:266-285 (1983)

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JSB		Brown et al. "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations". <i>Ultramicroscopy</i> , 38, 1991, 253-264
	CQ	Conner et al., "Detection of Sickle Cell β^3 -Globin Allele by Hybridization With Synthetic Oligonucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , 80:278-282 (1983)
	CR	Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <i>Genomics</i> , 4:114-128 (1989)
	CS	Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> , 260: 1649-1652 (1993)
	CT	Eggers et al. "Biochip Technology Development", BioChip Technology Development, Lincoln Laboratory Technical Report 901, Nov. 9, 1990
	CU	Fiaccabrino et al., "Array of Individually Addressable Microelectrodes", <i>Sensors and Actuators B</i> , 18-19 (1994) 675-677
	CV	Fodor et al., "Multiplexed Biochemical Assays With Biological Chips," <i>Nature</i> , 364:555-556 (1993)
	CW	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> , 251:767-773 (1992)
	CX	Horejsi, "Some Theoretical Aspects of Affinity Electrophoresis," <i>Journal of Chromatography</i> , 178:1-13 (1979)
	CY	Horejsi et al., "Determination of Dissociation Constants of Lectin Sugar Complexes by Means of Affinity Electrophoresis, <i>Biochimica et Biophysica Acta</i> , 499:200-300 (1977)
	CZ	Kakerow et al., "A Monolithic Sensor Array of Individually Addressable Microelectrodes", <i>Sensors and Actuators A</i> , 43 (1994) 296-301
	DA	Mathews, Kricka. "Analytical Strategies For The Use Of DNA Probes". <i>Analytical Biochemistry</i> , 169, 1988, 1-25
	DB	Palecek. "New Trends in Electrochemical Analysis of Nucleic Acids". <i>Bioelectrochemistry and Bioenergetics</i> , 20, 1988, 179-194
	DC	Ranki et al., "Sandwich Hybridization as a Convenient Method for the Detection of Nucleic Acids in Crude Samples," <i>Gene</i> , 21:77-85 (1983)
	DD	Saiki, "Amplification of Genomic DNA," <i>PCR Protocols: A Guide to Methods and Applications</i> , (Academic Press, Inc. 1990), pp 13-20
	DE	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides Evaluation Using Experimental Models," <i>Genomics</i> , 13:1008-1017 (1992)
	DF	Strezoska et al., "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel-Based Method", <i>Proc. Natl. Acad. Sci. USA</i> , 88:10089-93 (1991)
	DG	Wallace et al., "Hybridization of Synthetic Oligodexribonucleotides to ϕ x 174 DNA: The Effect of Single Base Pair Mismatch," <i>Nucleic Acid Res.</i> , 6:3543-3557 (1979)
	DH	Washizu, "Electrostatic Manipulation of Biological Objects," <i>Journal of Electrostatics</i> , 25:109-123 (1990)
	DI	Washizu and Kurosawa, "Electrostatic Manipulation of DNA in Microfabricated Structures," <i>IEEE Transactions on Industry Applications</i> , 26:1165-1172 (1990)
	DJ	Brown et al., "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations", <i>Ultramicroscopy</i> , 38 (1991) pp 253-264
✓	DK	Palacek, "New Trends in Electrochemical Analysis of Nucleic Acids", <i>Bioelectrochemistry and Bioenergetics</i> , 20 (1988) pp 179-194

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/849,122
				Filing Date	May 4, 2001
				First Named Inventor	Donald E. Ackley et al.
				Group Art Unit	1631
(use as many sheets as necessary)				Examiner Name	Ardin H. Marschel
Sheet	1	of	6	Attorney Docket Number	0612404-374 (prev 264/037)

U.S. PATENT DOCUMENTS					
Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Number	Kind Code ² (if known)			
JSB	3375187		Natelson	10/10/67	
	3375187		Buchler	03/26/68	
	3430072		Stevens	02/25/69	
	3533933		Strauch	10/13/70	
	3539493		Dorman	11/10/70	
	3616454		Levy et al	10/26/71	
	3627137		Bier	12/14/71	
	3640813		Nerenberg	02/08/72	
	3697405		Butter et al	10/10/72	
	3733648		Van Welzen et al	11/20/73	
	3791950		Allington	02/12/74	
	3902986		Nees	09/02/75	
	3957592		Young	05/18/76	
	3980546		Cavacco	09/14/76	
	4032901		Levinthal	06/28/77	
	4111785		Roskam	09/05/78	
	4244803		Aladjem et al	01/13/81	
	4390403		Batchelder	06/28/83	
	4441972		Pohl	04/10/84	
	4473452		Cantor et al	09/25/84	
	4479861		Hedinger	10/30/84	
	448534		Wertz et al	05/15/84	
	4555731		Zinchuk	11/26/85	
	4572668		Auth	02/25/86	
	4617102		Tomblin et al	10/14/86	
	4661451		Hansen	04/28/87	
	4699706		Burd et al	10/13/87	
	4702814		Audeh	10/27/87	
	4707235		Englert et al	11/17/87	
	4728724		Jones Jr. et al	03/01/98	
	4731325		Palva et al	03/15/88	
	4737251		Carle et al	04/12/88	
	4737259		Ogawa et al	04/12/88	
	4722851		Schattschneider	09/20/88	
	4804625		Momison et al	02/14/89	
	4810348		Sarrine et al	03/07/89	
	4822746		Walt	04/18/89	
	4824776		Heller et al	04/25/89	
	4830830		Tamotu et al	05/16/89	
	4859583		Heller et al	08/22/89	
	4868103		Stavrianopoulos et al	09/19/89	
	4874492		Mackay	10/17/89	
	4877510		Chen	10/31/89	
	4881107		Matsushita	11/14/89	
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	Number	Kind Code ² (if known)			
JSB	4924224		Takahashi et al	05/08/90	
	4936963		Mandecki et al	06/26/90	
	4963663		White et al	10/16/90	
	4996143		Heller et al	02/26/91	
	4997537		Karger et al	03/05/91	
	5062942		Kambard et al	11/05/91	
	5078853		Manning et al	01/07/92	
	5082548		Faupel et al	01/21/92	
	5085756		Swedberg	02/04/92	
	5091652		Mathies et al	02/25/92	
	5110434		Zhu et al	05/05/92	
	5114674		Stanbro et al	05/19/92	
	5116576		Stanley	05/26/92	
	5122248		Karger et al	06/16/92	
	5139637		MacConnell	08/18/92	
	5151165		Huynh	09/29/92	
	5151180		Hu et al	09/29/92	
	5151498		Beuscher et al	09/29/92	
	5156810		Ribi	10/20/92	
	5162654		Kostichka et al	11/10/92	
	5178161		Kovacs	11/12/93	
	5192405		Peterson	03/09/93	
	5192980		Dixon et al	03/09/93	
	5202010		Guzman	04/13/93	
	5209831		MacConnell	05/11/93	
	5217593		MacConnell	06/08/93	
	5229297		Schnilpelsky et al	07/20/93	
	5231626		Tadokoro et al	07/27/93	
	5237515		Herron et al	08/17/93	
	5269931		Hu et al	12/14/93	
	5278051		Seeman et al	01/11/94	
	5296114		Manz	03/22/94	
	5296375		Kricka et al	03/22/94	
	5296703		Tsien	03/22/94	
	5314495		Kovacs	05/24/94	
	5316900		Tsujioka et al	05/31/94	
	5324401		Yeung et al	06/28/94	
	5324631		Helenijaris et al	06/28/94	
	5338435		Betts et al	08/16/94	
	5340449		Shukla	08/23/94	
	5344535		Betts et al	09/06/94	
	5346789		Lewis et al	09/13/94	
	5354855		Cech et al	10/11/94	
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JSB	5378343		Kounaves et al	01/03/95	
	5380833		Urdea	01/10/95	
	5381224		Dixon et al	01/10/95	
	5382511		Stapleton	01/27/95	
	5393401		Knoll	02/28/95	
	5399451		Hashida et al	03/21/95	
	5403708		Brennan et al	04/04/95	
	5427664		Stoev et al	06/27/95	
	5427946		Kricka et al	06/27/95	
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	5451500		Stapleton	09/19/95	
	5464517		Hjerten et al	11/07/95	
	5486335		Wilding et al	01/23/96	
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	5541061		Fodor et al	07/30/96	
	5561043		Cantor et al	10/01/96	
	5565322		Heller	10/15/96	
	5567617		Caprio et al	10/22/96	
	5569367		Betts et al	10/29/96	
	5578832		Trulson et al	11/26/96	
	5587128		Wilding et al	12/24/96	
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	5593580		Kopf	01/14/97	
	5593838		Zanzucchi et al	01/14/97	
	5599668		Stimpson et al	02/04/97	
	5605839		Simpson et al	02/25/97	
	5631734		Stern et al	05/20/97	
	5632876		Zanzucchi et al	05/27/97	
	5635358		Wilding et al	06/03/97	
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	5653859		Parton et al	08/05/97	
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	5667667		Southern	09/16/97	
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	5726026		Wilding et al	03/10/98	
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	5746978		Bienhaus et al	05/05/98	
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JSB	5753439		Smith et al	05/19/98	
	5759773		Tyagi et al	06/02/98	
	5766960		Cornell et al	06/16/98	
	5787032		Heller et al	07/28/98	
	5789167		Konrad	08/04/98	
	5795457		Pethig et al	08/18/98	
	5795716		Chee et al	08/18/98	
	5814200		Pethig et al	09/29/98	
	5824204		Jerman	10/20/98	
	5832165		Reichert et al	11/03/98	
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	5891630		Eggers et al	04/06/99	
	6007690		Nelson et al	12/28/99	
	6013166		Heller	01/11/00	
	6017696		Heller et al	01/25/00	
	6048690		Heller et al	04/11/00	
	6051380		Sosnowski et al	04/18/00	
	6054270		Southern	04/25/00	
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	6395489		Stanley	05/28/02	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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JSB	EP	0376611	A2	Kovacs et al	07/04/90	
JSB	SU	434985			07/05/74	
JSB	SU	616568		Pankratera et al	07/25/79	



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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/849,122
		Filing Date	May 4, 2001
		First Named Inventor	Donald E. Ackley et al.
		Group Art Unit	1631
		Examiner Name	Ardin H. Marschel
(use as many sheets as necessary)		Attorney Docket Number	0612404-374 (prev 264/037)
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JSB	CONNOLLY ET AL., Microelectronic & Nanoelectronic Interfacing Techniques For Biological Systems, Sensors & Actuators, B 6, 1992, 113-121.	
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JSB	SATO et al., Individual & Mass Operation OF Biological Cells Using Micromechanical Silicon Devices, Sensors & Actuators, A 21, A23, 1990, 948-953.	
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↓	ZIPPER ET AL., Computer Controlled Monitoring & Data Reduction For Multiple Ion Selective Electrodes In A Flowing System, Anal. Chem., 46, 1974, 2111-2118.	

Examiner Signature	/John S. Brusca/	Date Considered	07/14/2006
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